ACCESS DB # 165334

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Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: MARK BERCH Examiner # : 59193 Date: 9/9/04

Art Unit: 1624 Phone Number: 2- 0663 Serial Number: 10719102

Location (Bldg/Room#): 5C01 (Mailbox #): 5C18 Results Format Preferred (circle): PAPER DISK

****

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: _____

Inventors (please provide full names): _____

_____

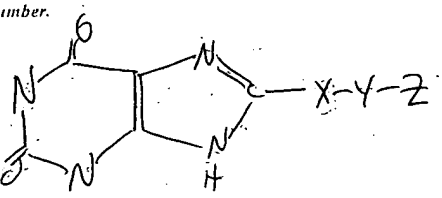
Earliest Priority Date: _____

Search Topic:

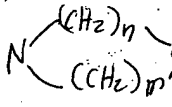
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only *Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

(A) L7 L16



X, Z, = O or Hy, but not



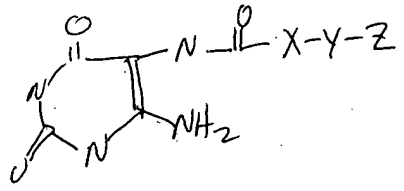
n, m = 0-3

Q = C|N|O|S

Y = (C)j , j = 0-10

↑ all bonds single in chain

(B) L14 L18



CAS React B → A

Also: B,b's with A&B

CAS React L6

HCAP L24

RECEIVED
SEP - 9 2005
CHEM/CHEM. DIVISION
(STIC)

****

STAFF USE ONLY

Searcher: _____

Searcher Phone #: _____

Searcher Location: _____

Date Searcher Picked Up: 9-14-5

Date Completed: _____

Searcher Prep & Review Time: _____

Online Time: _____

Type of Search

_____ NA Sequence (#)

_____ AA Sequence (#)

_____ Structure (#)

_____ Bibliographic

_____ Litigation

_____ Fulltext

_____ Other

Vendors and cost where applicable

_____ STN _____ Dialog

_____ Questel/Orbit _____ Lexis/Nexis

_____ Westlaw _____ WWW/Internet

____ In-house sequence systems

____ Commercial ____ Oligomer ____ Score/Length

____ Interference ____ SPDI ____ Encode/Transl

_____ Other (specify)

=> d his ful

(FILE 'HOME' ENTERED AT 10:56:36 ON 14 SEP 2005)

FILE 'REGISTRY' ENTERED AT 10:56:43 ON 14 SEP 2005
L1 STR

FILE 'CASREACT' ENTERED AT 11:05:42 ON 14 SEP 2005
L2 STR L1
L3 STR L2
L4 STR L1
L5 0 SEA SSS SAM L4 (0 REACTIONS)
L6 0 SEA SSS FUL L4 (0 REACTIONS)
L7 STR L1

FILE 'HCAPLUS' ENTERED AT 11:14:42 ON 14 SEP 2005
E US2003-719102/APPS
L8 2 SEA ABB=ON PLU=ON (US2003-719102/AP OR US2003-719102/PRN)
SEL RN

FILE 'REGISTRY' ENTERED AT 11:15:04 ON 14 SEP 2005
L9 94 SEA ABB=ON PLU=ON (105-56-6/BI OR 4637-24-5/BI OR 873-83-6/BI OR 100-39-0/BI OR 102284-71-9/BI OR 107-08-4/BI OR 109-65-9/BI OR 110472-90-7/BI OR 133657-31-5/BI OR 142665-13-2/BI OR 146830-67-3/BI OR 172751-17-6/BI OR 175205-61-5/BI OR 18162-48-6/BI OR 2434-53-9/BI OR 26914-02-3/BI OR 3587-60-8/BI OR 37622-90-5/BI OR 401647-24-3/BI OR 41862-09-3/BI OR 41862-11-7/BI OR 531506-20-4/BI OR 531506-21-5/BI OR 531506-22-6/BI OR 531506-23-7/BI OR 531506-24-8/BI OR 531506-25-9/BI OR 531506-26-0/BI OR 531506-27-1/BI OR 531506-28-2/BI OR 531506-29-3/BI OR 531506-30-6/BI OR 531506-31-7/BI OR 531506-32-8/BI OR 531506-33-9/BI OR 531506-34-0/BI OR 531506-35-1/BI OR 531506-36-2/BI OR 531506-37-3/BI OR 531506-38-4/BI OR 531506-39-5/BI OR 531506-40-8/BI OR 531506-41-9/BI OR 531506-42-0/BI OR 531506-43-1/BI OR 531506-44-2/BI OR 531506-45-3/BI OR 531506-47-5/BI OR 531506-49-7/BI OR 531506-50-0/BI OR 538-32-9/BI OR 542-69-8/BI OR 57238-75-2/BI OR 5770-23-0/BI OR 609-65-4/BI OR 625-52-5/BI OR 631913-91-2/BI OR 631913-92-3/BI OR 631913-93-4/BI OR 631913-94-5/BI OR 631913-95-6/BI OR 631913-96-7/BI OR 631913-97-8/BI OR 631913-98-9/BI OR 631913-99-0/BI OR 631914-00-6/BI OR 631914-01-7/BI OR 631914-02-8/BI OR 631914-03-9/BI OR 631914-04-0/BI OR 631914-05-1/BI OR 637-59-2/BI OR 63981-31-7/BI OR 71597-85-8/BI OR 73217-31-9/BI OR 752222-78-9/BI OR 752222-79-0/BI OR 752222-81-4/BI OR 752222-82-5/BI OR 752222-83-6/BI OR 752222-84-7/BI OR 752222-85-8/BI OR 752222-86-9/BI OR 752222-87-0/BI OR 752222-88-1/BI OR 76513-69-4/BI OR 80798-51-2/BI OR 80798-52-3/BI OR 81250-30-8/BI OR 81250-31-9/BI OR 81250-34-2/BI OR 90154-04-4/BI OR 94781-76-7/BI OR 99-76-3/BI)
L10 68 SEA ABB=ON PLU=ON L9 AND NCNC3/ESS
L11 36 SEA ABB=ON PLU=ON L10 AND NR>3
L12 47 SEA ABB=ON PLU=ON L10 AND NR>2

FILE 'HCAPLUS' ENTERED AT 11:16:16 ON 14 SEP 2005
L13 2 SEA ABB=ON PLU=ON L12 AND L8
D IALL HITSTR 1-2

FILE 'CASREACT' ENTERED AT 11:17:01 ON 14 SEP 2005
E US2003-719102/APPS

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     FILE 'REGISTRY' ENTERED AT 11:17:52 ON 14 SEP 2005
                 D L7
L14              STR L1
L15            0 SEA SSS SAM L7
                 D QUE
L16           89 SEA SSS FUL L7
L17            0 SEA SSS SAM L14
L18           27 SEA SSS FUL L14

     FILE 'HCAPLUS' ENTERED AT 11:22:13 ON 14 SEP 2005
L19            3 SEA ABB=ON  PLU=ON  L16 AND L18
L20            1 SEA ABB=ON  PLU=ON  L8 AND L19
L21            3 SEA ABB=ON  PLU=ON  L18(L)RACT+ALL/RL
L22           21 SEA ABB=ON  PLU=ON  L16(L)PREP+ALL/RL
L23            2 SEA ABB=ON  PLU=ON  L21 AND L22
L24            3 SEA ABB=ON  PLU=ON  L19 OR L23

     FILE 'BEILSTEIN' ENTERED AT 11:26:22 ON 14 SEP 2005
                 D QUE
L25            6 SEA SSS FUL L7
L26            0 SEA SSS FUL L14
                 SEL L25 BRN
L27            0 SEA ABB=ON  PLU=ON  (1174144/PBRN OR 3578661/PBRN OR 6155823/PB
                 RN OR 6883344/PBRN OR 8287289/PBRN OR 8814448/PBRN)

     FILE 'STNGUIDE' ENTERED AT 11:29:20 ON 14 SEP 2005

     FILE 'BEILSTEIN' ENTERED AT 11:31:20 ON 14 SEP 2005
L28            8 SEA ABB=ON  PLU=ON  (1174144/RX.PBRN OR 3578661/RX.PBRN OR
                 6155823/RX.PBRN OR 6883344/RX.PBRN OR 8287289/RX.PBRN OR
                 8814448/RX.PBRN)


     FILE HOME

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.

     STRUCTURE FILE UPDATES:   13 SEP 2005  HIGHEST RN 863091-33-2
     DICTIONARY FILE UPDATES:  13 SEP 2005  HIGHEST RN 863091-33-2

     New CAS Information Use Policies, enter HELP USAGETERMS for details.

     TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

       Please note that search-term pricing does apply when
       conducting SmartSELECT searches.

     ************************************************************
     *                                                          *
     * The CA roles and document type information have been removed from *
     * the IDE default display format and the ED field has been added,   *
     * effective March 20, 2005.  A new display format, IDERL, is now    *
     * available and contains the CA role and document type information. *
     *                                                          *
     ************************************************************
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

FILE CASREACT
Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE CONTENT:1840 - 11 Sep 2005 VOL 143 ISS 11

New CAS Information Use Policies, enter HELP USAGETERMS for details.

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*
*
*   CASREACT now has more than 9.2 million reactions
*
*
****

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE HCAPLUS

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FILE COVERS 1907 - 14 Sep 2005 VOL 143 ISS 12
FILE LAST UPDATED: 13 Sep 2005 (20050913/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BEILSTEIN
FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON JUNE 29, 2005

FILE COVERS 1771 TO 2005.
FILE CONTAINS 9,271,550 SUBSTANCES

>>>PLEASE NOTE: Reaction Data and substance data are stored in

separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For mo detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

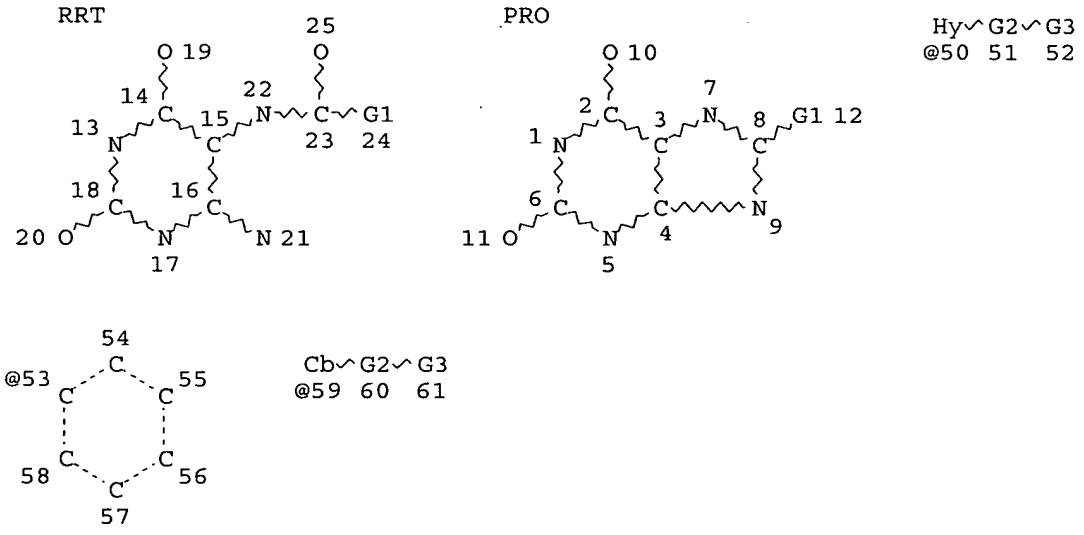
****
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. *
* FOR PRICE INFORMATION SEE HELP COST *
****

NEW

* **PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE SEARCHED, SELECTED AND TRANSFERRED.**
* **NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES, ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A COMPOUND AT A GLANCE.**

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Sep 9, 2005 (20050909/UP).

=> d que stat l6
L4 STR



VAR G1=50/59
REP G2=(0-10) C
VAR G3=53/HY
NODE ATTRIBUTES:

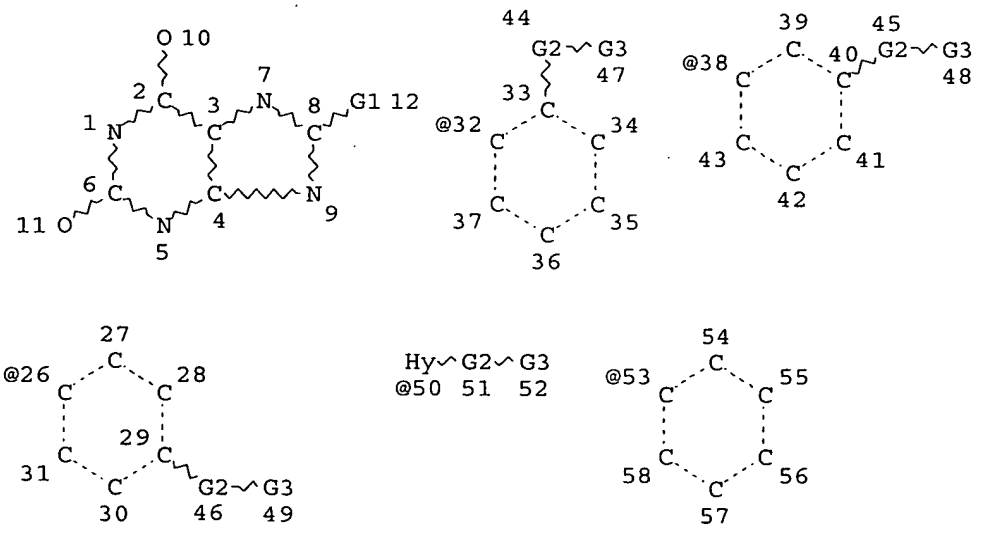
```
CONNECT IS E3  RC AT   2
CONNECT IS E3  RC AT   3
CONNECT IS E3  RC AT   4
CONNECT IS E3  RC AT   6
CONNECT IS E2  RC AT   7
CONNECT IS E3  RC AT   8
CONNECT IS E2  RC AT   9
CONNECT IS E1  RC AT  10
CONNECT IS E1  RC AT  11
CONNECT IS E3  RC AT  14
CONNECT IS E3  RC AT  15
CONNECT IS E3  RC AT  16
CONNECT IS E3  RC AT  18
CONNECT IS E1  RC AT  19
CONNECT IS E1  RC AT  20
CONNECT IS E3  RC AT  23
CONNECT IS E1  RC AT  25
DEFAULT MLEVEL IS ATOM
GGCAT   IS UNS  AT  59
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M6 C  AT  59

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  37

STEREO ATTRIBUTES: NONE
L6              0 SEA FILE=CASREACT SSS FUL L4 (     0 REACTIONS)

100.0% DONE     385 VERIFIED       0 HIT RXNS                    0 DOCS
SEARCH TIME: 00.00.01


=> d que stat l24
L7                  STR
```

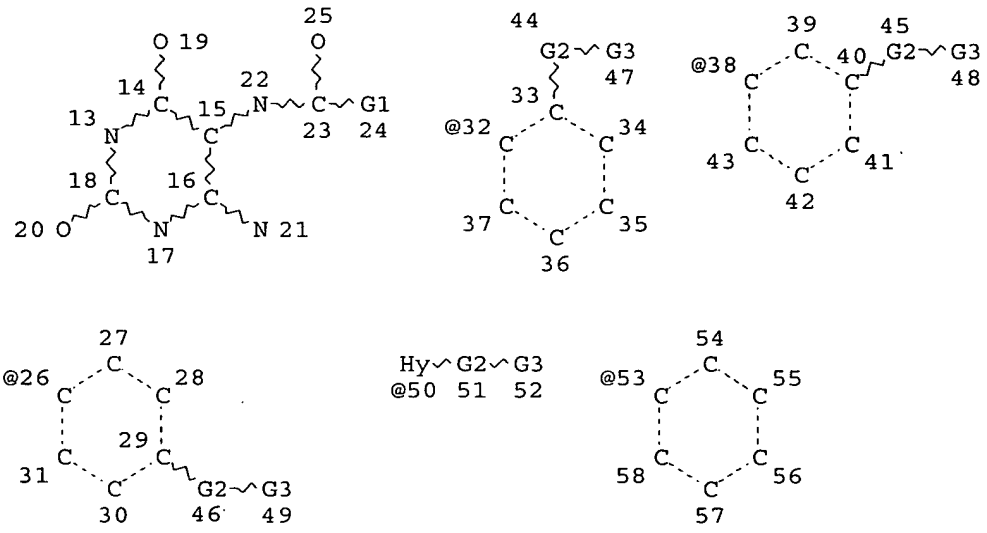



```
VAR G1=32/38/26/50
```

REP G2=(0-10) C
VAR G3=53/HY
NODE ATTRIBUTES:
CONNECT IS E3 RC AT 2
CONNECT IS E3 RC AT 3
CONNECT IS E3 RC AT 4
CONNECT IS E3 RC AT 6
CONNECT IS E2 RC AT 7
CONNECT IS E3 RC AT 8
CONNECT IS E2 RC AT 9
CONNECT IS E1 RC AT 10
CONNECT IS E1 RC AT 11
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 45

STEREO ATTRIBUTES: NONE
L14 STR



VAR G1=32/38/26/50
REP G2=(0-10) C
VAR G3=53/HY
NODE ATTRIBUTES:
CONNECT IS E3 RC AT 14
CONNECT IS E3 RC AT 15
CONNECT IS E3 RC AT 16
CONNECT IS E3 RC AT 18
CONNECT IS E1 RC AT 19
CONNECT IS E1 RC AT 20
CONNECT IS E3 RC AT 23
CONNECT IS E1 RC AT 25
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

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RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  46

STEREO ATTRIBUTES: NONE
L16          89 SEA FILE=REGISTRY SSS FUL L7
L18          27 SEA FILE=REGISTRY SSS FUL L14
L19           3 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L16 AND L18
L21           3 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L18(L)RACT+ALL/RL
L22          21 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L16(L)PREP+ALL/RL
L23           2 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L21 AND L22
L24           3 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L19 OR L23


=> d l24 ibib abs hitstr 1-3
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y


L24  ANSWER 1 OF 3  HCAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:         2004:739974  HCAPLUS
DOCUMENT NUMBER:          141:243230
TITLE:                    A2B adenosine receptor antagonists
INVENTOR(S):              Elzein, Elfatih; Kalla, Rao; Marquart, Tim; Zablocki,
                          Jeff; Li, Xiaofen
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 36 pp., Cont.-in-part of U.S.
                          Ser. No. 431,167.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   4
PATENT INFORMATION:
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The case

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004176399	A1	20040909	US 2003-719102	20031121
US 2003139428	A1	20030724	US 2002-290921	20021108
US 6825349	B2	20041130		
US 2003229106	A1	20031211	US 2003-431167	20030506
WO 2005051951	A1	20050609	WO 2004-US38136	20041115

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        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
           CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
           GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
           LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
           NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
           TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
        RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
           AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
           EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,
           SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
           NE, SN, TD, TG
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PRIORITY APPLN. INFO.:		
US 2001-348222P	P	20011109
US 2002-401408P	P	20020805
US 2002-290921	A2	20021108
US 2003-431167	A2	20030506
US 2003-719102	A	20031121

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OTHER SOURCE(S):          MARPAT 141:243230
GI
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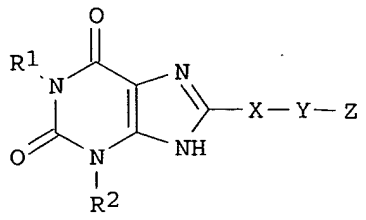

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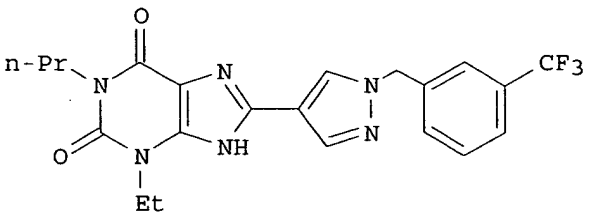


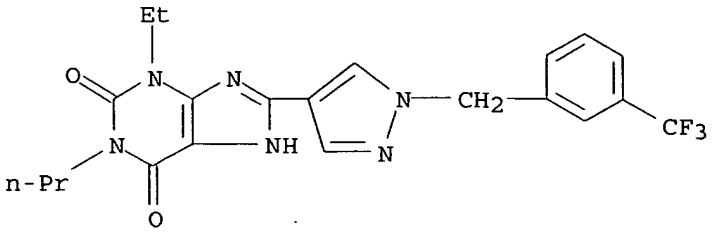
II

AB Disclosed are processes for the synthesis of novel compds., I (R1, R2 = optionally substituted alkyl; X = optionally substituted arylene or heteroarylene; Y= covalent bond or lower alkylene; X = optionally substituted monocyclic aryl or heteroaryl), that are A 2B adenosine receptor antagonists, useful for treating various disease states, including asthma and diarrhea. Thus, amino-N-ethylamide and Et cyanoacetate were reacted in an ethanolic solution of sodium ethoxide to form 6-amino-1-ethyl-1,3-dihydropyrimidine-2,4-dione which was treated with N,N-dimethylformamide dimethylacetal to provide the corresponding azavinyl derivative The azavinyl derivative was alkylated with Pr iodide and then reduced to the amine in a solution of aqueous ammonia. The resulting amine was converted to the nitroso using sodium nitrite, and the resulting nitroso was subsequently reduced to the amine using 10% Pd/C. The diamine obtained in the previous step was treated with 1-{[(3-trifluoromethyl)phenyl]methyl}-pyrazole-4-carboxylic acid and then condensed using NaOH in methanol to give II.

IT **752222-83-6P**
RL: PAC (Pharmacological activity); **SPN (Synthetic preparation)**; THU (Therapeutic use); BIOL (Biological study); **PREP (Preparation)** ; USES (Uses)
(preparation of A2B adenosine receptor antagonists for the treatment of diseases such as asthma and diarrhea)

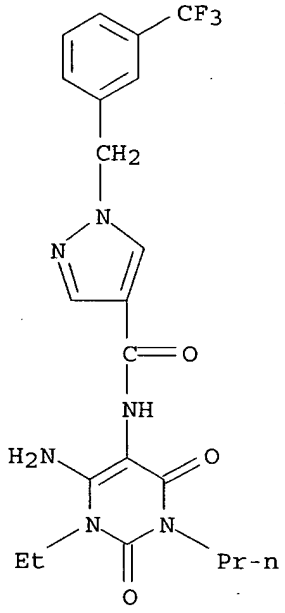
RN 752222-83-6 HCAPLUS

CN 1H-Purine-2,6-dione, 3-ethyl-3,7-dihydro-1-propyl-8-[1-[[3-(trifluoromethyl)phenyl]methyl]-1H-pyrazol-4-yl]- (9CI) (CA INDEX NAME)

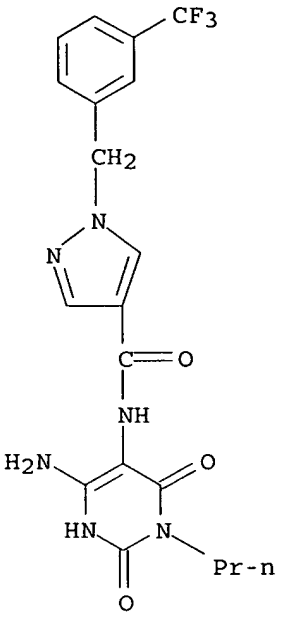


IT **752222-82-5P 752222-84-7P 752222-85-8P**
752222-86-9P 752222-87-0P
RL: **RCT (Reactant)**; SPN (Synthetic preparation); PREP (Preparation); **RACT (Reactant or reagent)**
(preparation of A2B adenosine receptor antagonists for the treatment of diseases such as asthma and diarrhea)

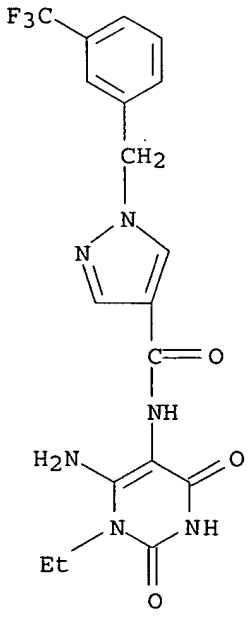
RN 752222-82-5 HCAPLUS
CN 1H-Pyrazole-4-carboxamide, N-(6-amino-1-ethyl-1,2,3,4-tetrahydro-2,4-dioxo-3-propyl-5-pyrimidinyl)-1-[[3-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 752222-84-7 HCAPLUS
CN 1H-Pyrazole-4-carboxamide, N-(4-amino-1,2,3,6-tetrahydro-2,6-dioxo-1-propyl-5-pyrimidinyl)-1-[[3-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

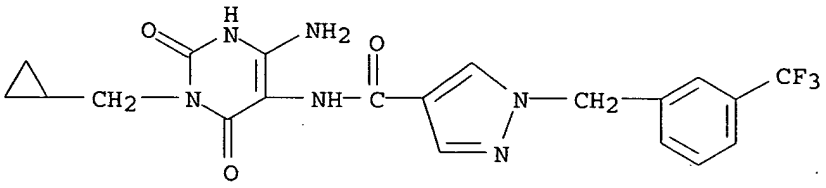


RN 752222-85-8 HCAPLUS
CN 1H-Pyrazole-4-carboxamide, N-(6-amino-1-ethyl-1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-1-[[3-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

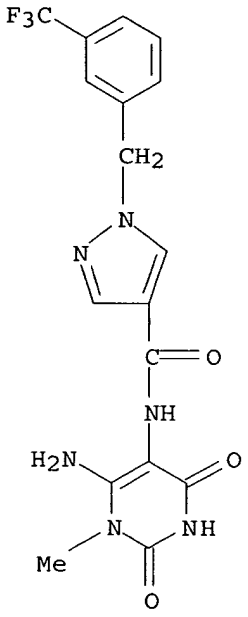


RN 752222-86-9 HCAPLUS
CN 1H-Pyrazole-4-carboxamide, N-[4-amino-1-(cyclopropylmethyl)-1,2,3,6-tetrahydro-2,6-dioxo-5-pyrimidinyl]-1-[[3-(trifluoromethyl)phenyl]methyl]-

(9CI) (CA INDEX NAME)



RN 752222-87-0 HCAPLUS
CN 1H-Pyrazole-4-carboxamide, N-(6-amino-1,2,3,4-tetrahydro-1-methyl-2,4-dioxo-5-pyrimidinyl)-1-[[3-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



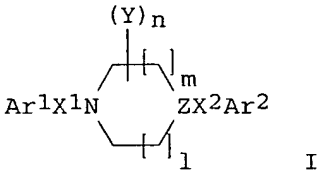
L24 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:161119 HCAPLUS
DOCUMENT NUMBER: 132:203174
TITLE: Inhibitors of p38-α kinase, preparation thereof, and therapeutic use
INVENTOR(S): Goehring, R. Richard; Luedtke, Gregory R.; Mavunkel, Babu J.; Chakravarty, Sarvajit; Dugar, Sundeep; Schreiner, George F.; Liu, David Y.; Lewicki, John A.
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 75 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000012074	A2	20000309	WO 1999-US19845	19990827
WO 2000012074	A3	20000831		
W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, EE, GE, HU, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2342251	AA	20000309	CA 1999-2342251	19990827
AU 9957936	A1	20000321	AU 1999-57936	19990827
AU 772477	B2	20040429		
EP 1107758	A2	20010620	EP 1999-945316	19990827
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9913654	A	20011127	BR 1999-13654	19990827
JP 2002523448	T2	20020730	JP 2000-567192	19990827
PRIORITY APPLN. INFO.:			US 1998-98219P P	19980828
			US 1999-125343P P	19990319
			WO 1999-US19845 W	19990827

OTHER SOURCE(S): MARPAT 132:203174

GI



I

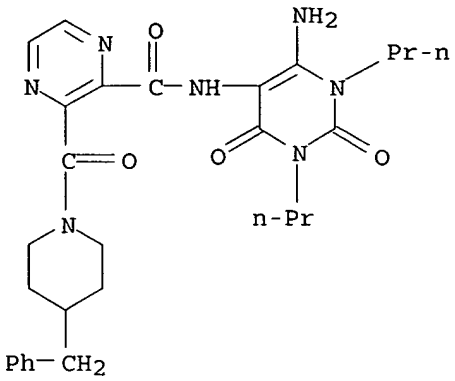
AB Methods are provided for treating conditions mediated by p38-α kinase using compds. I (Z = N, CR1; R1 = noninterfering substituent; X1, X2 = linker; Ar1, Ar2 = (un)substituted C1-20 hydrocarbyl (at least one of Ar1 and Ar2 = (un)substituted aryl), with proviso that when X2 = CH2 or an isostere thereof, X1 = CO or an isostere thereof, and Ar2 = (un)substituted Ph, Ar1 is other than (un)substituted indolyl, benzimidazolyl or benzotriazolyl, and wherein (un)substituted Ph is not (un)substituted indolyl, benzimidazolyl, or benzotriazolyl; Y = noninterfering substituent; n, m = 0-4; l = 0-3) or a pharmaceutically acceptable salt or pharmaceutical composition thereof. Preparation of compds. is described. Compds. of the invention may be used to treat p38-α kinase-mediated conditions.

IT **260427-51-8 260427-52-9**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(p38-α kinase inhibitors, preparation, and therapeutic use)

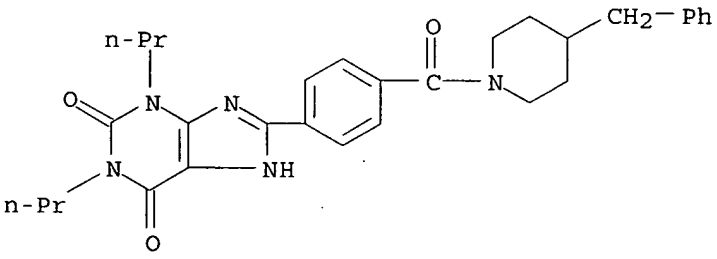
RN 260427-51-8 HCAPLUS

CN Pyrazinecarboxamide, N-(6-amino-1,2,3,4-tetrahydro-2,4-dioxo-1,3-dipropyl-5-pyrimidinyl)-3-[[4-(phenylmethyl)-1-piperidinyl]carbonyl]- (9CI) (CA

INDEX NAME)



RN 260427-52-9 HCAPLUS
CN Piperidine, 4-(phenylmethyl)-1-[4-(2,3,6,7-tetrahydro-2,6-dioxo-1,3-dipropyl-1H-purin-8-yl)benzoyl]- (9CI) (CA INDEX NAME)



L24 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:736230 HCAPLUS
DOCUMENT NUMBER: 131:337033
TITLE: Immunosuppressive effects of 8-substituted xanthine derivatives
INVENTOR(S): Waer, Mark Jozef Albert; Herdewijn, Piet Andre Maurits Maria; Pfleiderer, Wolfgang
PATENT ASSIGNEE(S): K.U. Leuven Research and Development, Belg.
SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

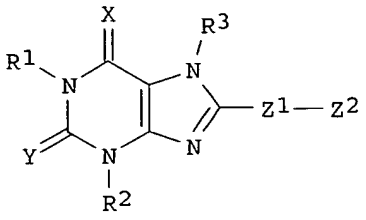
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 956855	A1	19991117	EP 1998-201323	19980424
EP 956855	B1	20030312		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

AT 234099	E	20030315	AT 1998-201323		19980424
ES 2189079	T3	20030701	ES 1998-201323		19980424
PRIORITY APPLN. INFO.:			EP 1998-201323	A	19980424

OTHER SOURCE(S): MARPAT 131:337033

GI



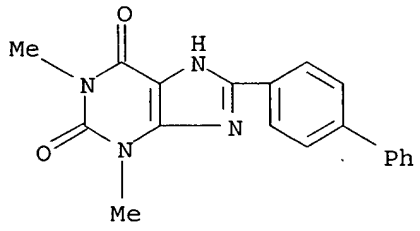
I

AB The title compds. [I; R1-R3 = H, (un)saturated alkyl; X, Y = O, S; Z1 = thienyl, furanyl, cyclopentyl, etc.; Z2 = Ph, sulfonic acid; (un)substituted sulfonamide, etc.], useful for the treatment of auto-immuno disorders, were prepared Thus, alkylation of xanthine I [R1 = H; R2 = R3 = Me; Z1 = H; X = Y = O] with propargyl bromide afforded I [R1 = HC.tplbond.CCH2; R2 = R3 = Me; Z1 = H; X = Y = O] which showed IC50 of > 200 μM in vitro MLR experiment

IT **93214-88-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); **SPN (Synthetic preparation)**; THU (Therapeutic use); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
(immunosuppressive effects of 8-substituted xanthine derivs.)

RN 93214-88-1 HCAPLUS

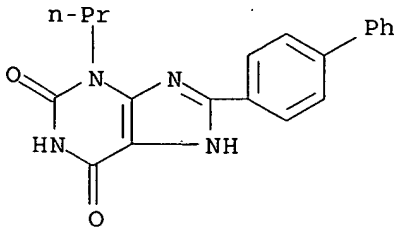
CN 1H-Purine-2,6-dione, 8-[1,1'-biphenyl]-4-yl-3,7-dihydro-1,3-dimethyl- (9CI) (CA INDEX NAME)



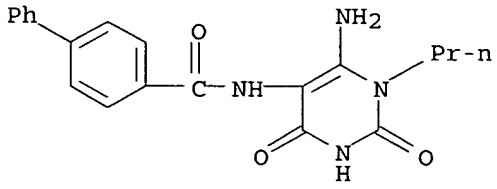
IT **249929-74-6P 249929-83-7P 249929-84-8P**
RL: **RCT (Reactant)**; **SPN (Synthetic preparation)**; **PREP (Preparation)**; **RACT (Reactant or reagent)**
(immunosuppressive effects of 8-substituted xanthine derivs.)

RN 249929-74-6 HCAPLUS

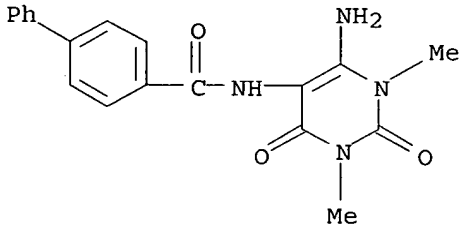
CN 1H-Purine-2,6-dione, 8-[1,1'-biphenyl]-4-yl-3,7-dihydro-3-propyl- (9CI) (CA INDEX NAME)



RN 249929-83-7 HCAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, N-(6-amino-1,2,3,4-tetrahydro-2,4-dioxo-1-propyl-5-pyrimidinyl)- (9CI) (CA INDEX NAME)



RN 249929-84-8 HCAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, N-(6-amino-1,2,3,4-tetrahydro-1,3-dimethyl-2,4-dioxo-5-pyrimidinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT